



Department:	Public Works
Bargaining Unit:	SEIU
Salary Range:	E20/E36
Last Revision:	September 1995

JUNIOR WATER MAINTENANCE OPERATOR WATER MAINTENANCE OPERATOR I

DEFINITION

Under supervision (Junior Water Maintenance Operator) or general supervision (Water Maintenance Operator I), to perform semi-skilled work involved in the construction, maintenance, repair, and related services for the City's water treatment and distribution systems.

SUPERVISION EXERCISED

Junior Water Maintenance Operator

Exercises no supervision

Water Maintenance Operator I

May exercise technical and functional supervision over lower level maintenance staff.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

Excavate, inspect, flush, clean, and repair water mains, lines, and laterals; make taps for new services.

Install, repair, and replace fire hydrants, valves, meters, and meter vaults and boxes; exercise valves according to prescribed schedules.

Weld and fabricate tools, equipment, and plumbing parts and vault lids using arc and acetylene welding equipment.

Test, disassemble, clean, and repair commercial and residential water meters; replace worn or faulty parts.

Maintain well sites; operate well chlorination pumps; take water samples and check level of chlorine; change tanks as needed.

Service customer accounts; turn service on and off; check water quality; reconnect service; pull and remove meters.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

Operate construction equipment and power tools such as backhoes, front end loaders, compressors, pipe locators, pipe cutters, valve and tapping machines; maintain hand tools and assigned equipment.

Utilize proper safety precautions related to all work performed.

Install street barricades and cones prior to the performance of water treatment and distribution related street repair activities; direct and control traffic around work sites.

Read water meters; repair line leaks; change broken water valves.

Clean pumps and reservoirs; cut and clear weeds.

Respond to requests and inquiries from the general public.

OTHER JOB RELATED DUTIES

Perform related duties and responsibilities as assigned.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Junior Water Maintenance Operator

Knowledge of:

Operational characteristics and uses of general construction equipment and tools used in the area of work assigned.

Basic mathematical principles.

Occupational hazards and standard safety practices necessary in the area of work assigned.

Safe driving principles and practices.

Skill to:

Operate a motor vehicle safely.

Perform heavy manual labor for extended periods of time in all types of weather.

Ability to:

Learn to perform unskilled and semi-skilled tasks in a variety of construction and maintenance activities involved in water treatment and distribution.

Ability to:

Learn to operate a variety of vehicular and stationary mechanical equipment, hand tools, and power tools and equipment in a safe and effective manner.

Records numbers accurately and perform basic mathematical computations.

Understand and follow oral and written instructions.

Establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

Experience and Training Guidelines

Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:

Experience:

No previous experience is required.

Training:

Formal or informal education or training which ensures the ability to read and write at a level necessary for successful job performance.

License or Certificate:

Possession of, or ability to obtain, an appropriate, valid Class A driver=s license within the first six (6) months of hire.

Special Requirements:

Essential duties require the following physical skills and work environment:

Ability to sit, stand, walk, kneel, crouch, stoop, squat, crawl, twist, climb, and lift 50 lbs.; exposure to cold, heat, noise, outdoors, vibration, confining work space, chemicals, explosive materials, mechanical hazards, and electrical hazards; ability to travel to different sites and locations.

Water Maintenance Operator I

In addition to the qualifications for Junior Water Maintenance Operator:

Knowledge of:

Methods and techniques of construction, maintenance, and repair related to the treatment and distribution of potable water.

Knowledge of:

Operational characteristics of mechanical equipment and tools used in the area of work assigned.

Skill to:

Operate a variety of vehicular and stationary mechanical equipment, hand tools, and power tools and equipment in a safe and effective manner.

Ability to:

Perform semi-skilled maintenance, construction, and repair work involved in water treatment and distribution.

Read, interpret, and apply technical information from basic maps and blueprints.

Work independently in the absence of supervision

Experience and Training Guidelines:

Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:

Experience:

Two (2) years of increasingly responsible experience performing field maintenance duties in water distribution.

Training:

Formal or informal education or training which ensures the ability to read and write at a level necessary for successful job performance.

License or Certificate:

Possession of, or ability to obtain, an appropriate, valid Class A driver's license within the first six (6) months of hire.

Possession of a Grade I Water Treatment Operator Certificate issued by the State of California.

License or Certificate:

Possession of a Grade I Operator Certificate issued by the American Water Works Association is desirable.

Special Requirements:

Essential duties require the following physical skills and work environment:

Ability to sit, stand, walk, kneel, crouch, stoop, squat, crawl, twist, climb, and lift 50 lbs.; exposure to cold, heat, noise, outdoors, vibration, confining work space, chemicals, explosive materials, mechanical hazards, and electrical hazards; ability to travel to different sites and locations.

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